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NO FOREIGN DISSEN

ORR contribution for Project No. 00.4566, The Effect of Air Strikes on the Economy of North Vietnam

Estimates of Project Description

#### A. Economia

1. The economic losses caused by Wi/(WN air strikes in Burth Victure continue to increase, and the adverse effects of these leases are now spreading throughout the company. The losses, however, still remain small compared to total economic activity, because the country is presoningatly expicultural and the major industrial facilities have not been attached. The most important effects on the economy ero: (a) difficulties in distributing food to local food-deficit eross; (b) production losses caused by diversion of skilled response and scarce saterials from productive uses to the repair of decayed facilities; (e) disription of normal work schedules because of the threat of air attacks (d) reduction of foreign exchange carnings because of the difficulty in moving export goods to port; (e) losses in agriculture entributeble to derege to power stations and thus to irrigation capasity; and (f) problems in management and edministration caused by the disruption and re-location of economic activity. The commistive strains now show signs of becoming severs enough that aid from Communist countries will have to be stepped up if the economy is to meet both minimum civilies and military requirements. But economic deterioration so far has not affected the emphilities of Horth Vietnam's around forces. which place little direct relience on the depostic comony for seterial.

Bee Tables I and 2 for detailed information on types and extent of military and economic demans.

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downgrading and declassification

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The one enception: However, of personnel, equipment, and supplies is being heapered by durings to trunsportation facilities.

2. Direct losses caused by damage to economic facilities and egalyment is now estimated at almost \$20 million. Heasurable indirect losses service to \$12.5 million, sainly reduction in foreign trade and agricultural extent. The direct economic leases that can be measured here fallen most heavily on the trunsportation sector of the economy. The cost of personent rescastruction of rail/highest bridges would be shout \$8 million, and the replacement of repair of destroyed or desegred transport equipment would cost an additional (A. 3 million. The cost of temperary regains to bridges would be about \$1 million. Recomstruction of the drawed electric power plants would cont shout (4.5 million and the textile mill \$1 million. Repair costs for the petroless strongs familities are estimated at short \$500 thousand. The growing loss of foreign exchange enraings - now totalling \$6.5 million -- is aggregistic, though not yet serious. The growing losses from lower production throughout the commony can be quantified only in agriculture where potential losses in full rice crops and other disreption to sorself feming will ensuch to shout \$6 million. The measurable costs of reconstruction, replacement, and repair of damaged facilities, if estaughed, would represent almost 20 percent of total gross semual impostment in infantry. In edition forth Vietnes is incurring edittions costs for temporary expedients to compensate in part for the mont facilities. Purchases of portable electric power governetors,

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temperary bridging equipment, additional motor trucks, and small tanks and draws for the trunsportation and storage of petroleum are impressing for above normal levels. It is not possible at this point to estimate the value of those purchases.

3. The strains created by the backing upon distribution, simpower resources and management capabilities are reducing desertion industrial performance and the effectiveness of Communist aid. Industry in the parts of the country affected directly by the bushing exemply accounts for only shout 20 percent of total gross industrial during and consists untilly of textile production, fool processing. imphor and paper production, chromite mining, and processing of cruis phosphate fertilizers. The economic losses sustained in the boshed eress are principally a consequence of the loss of electric power, and disregulace to the transportation erates. Bardships are severe in these parts of the country and continuing shorteges of food and equipment are haspering reconstruction efforts. Bevertheless the primarily rural nature of the area permits continued functioning of the substance economy. In the core economically important parts of the country there is explicit evidence of industry's failure to deligace, the lacrossing disruption cancel by the air strikes and the policies adopted as a consequence of them. An important official in industry has stated that despite the overtime work required of almost all workers, much machinery and tool factories and many factories producing consumer goods have been unable to keep up with demail.

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The strains upon distribution, narpower resources and management expectitions have increasingly affected industrial production adversely. These strains resulting indirectly from the booking are being compounded by implementation of plans to disperse industrial production in order to sake industry loss valuesable to air attack and to reduce the requirement for transportation. The problems that are because for the requirement for transportation. The problems that are because for the form of several output are also reducing the effectiveness of sid from Cassamist countries. Progress is being delayed in the completion of several economic development projects for which foreign aid is being received. But is continuing on other major economic projects of the First Five Year Plan (1961-1965) and several additional projects have been started. Economic development, therefore, appears to be continuing, but 10 is no longer orderly and probably will be retarded significantly.

h. The bombings of the bridges on the Doug Deng - Servi restliced line apparently balted traffic only briefly, and the recedyt of military equipment and economic goods from China by this rente probably has not been significantly impeded. Through traffic on the Samoi - Lee Chi railroad line has not resumed since this line was first bombed in Mid-July. The railroads south of Samoi remain impossible for through traffic. In spite of the beavy damage to road bridges, substantial amounts of both economic and military traffic continue to be hauled by notor truck. The movement of all types of traffic as

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transportation. Repair of the damps to the five electric power plants has not progressed. The reduction of total generating organity by short 14 percent continues to cause relatively minor contailment of mining and hadastrial operations and loss of power for irrigation mystems. Bulk petroleum storage facilities have been reduced in capacity by sheet 17 percent. There are localized problem in potention distribution and storage, but there is no overall petroleum shortage in the country. Priorities and alternate seems of communication have had to be established in the telecommunications industry and the effectiveness of postal service is continuing to decline. Food shortages continue to be rejected as particularly serious in the southern provinces. Interrsptice of menal irrigation corvious in Tainh Bun and Eghe An provinces and interruption of usual families greation will probably once a reduction in the fall rice betweets. The volume of ecoborus exports is declining, and there may be a lag of much so 20 percent in planned exports by the end of the year.